

# LUCKY CHAIN BLOCK

(TRIPLE GEARED)

# NITCHI TROLLEY

(GEARED & PLAIN)

# NITCHI PULLER

(RATCHET LEVER HOIST WITH LINK CHAIN)



Distributed by;

**THE AMERICAN GAGE & MANUFACTURING CO.**

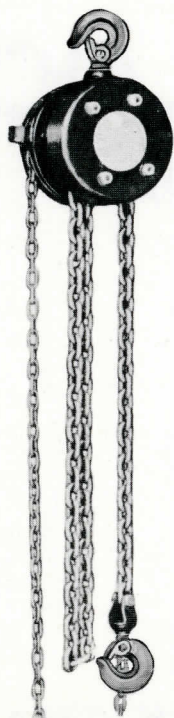
**550 West Linfoot St., Wauseon,**

**Ohio 43567 U.S.A.**

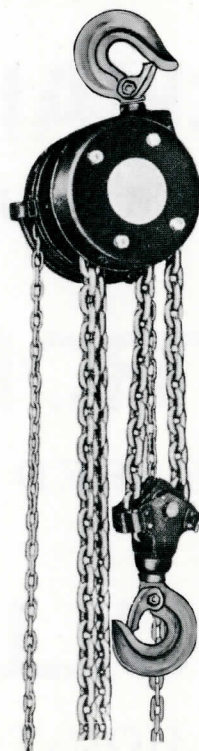
## Warranty

Guaranteed against defects  
in material and workmanship  
for one full year  
from date of purchase.

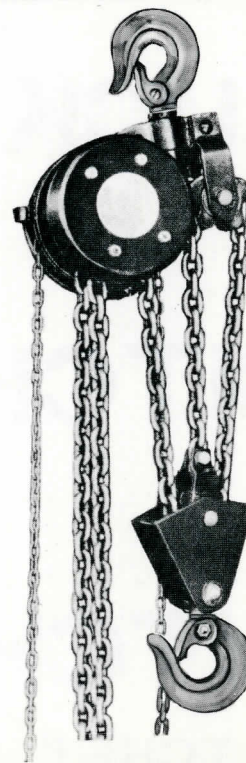
# LUCKY (TRIPLE GEAR)



$\frac{1}{2}$  ~ 2 TON



3 TON



5 TON

## (SPECIFICATIONS)

MODEL	NOMINAL CAPACITY IN TONS	LIFT IN FEET	MAXIMUM LOAD IN TONS	DIAMETER OF LOAD CHAIN IN INCH	NET WEIGHT IN LBS
L 5	0.5	10	0.75	5 / 16	30
L 10	1	10	1.50	3 / 8	44
L 15	1.5	10	2.25	7 / 16	61
L 20	2	10	3.00	33 / 64	86
L 30	3	10	4.50	7 / 16	108
L 50	5	10	7.50	33 / 64	176

### Rugged Construction:

Thick steel construction prevents damage from impact and rough handling. "Lucky" also exhibits its rugged construction under heavy-duty operation

### Less Abrasion:

Each part is made of the finest material, and all driving parts are carefully heat-treated for longer durability.

### Light Weight: Portability:

$\frac{1}{2}$  ton capacity weighs only 30 pounds! Easy carrying, prompt installation and simple re-location at the job.

### OSHA Regulations:

All units standard equipment with safety hooks.

### Simple Parts Replacement:

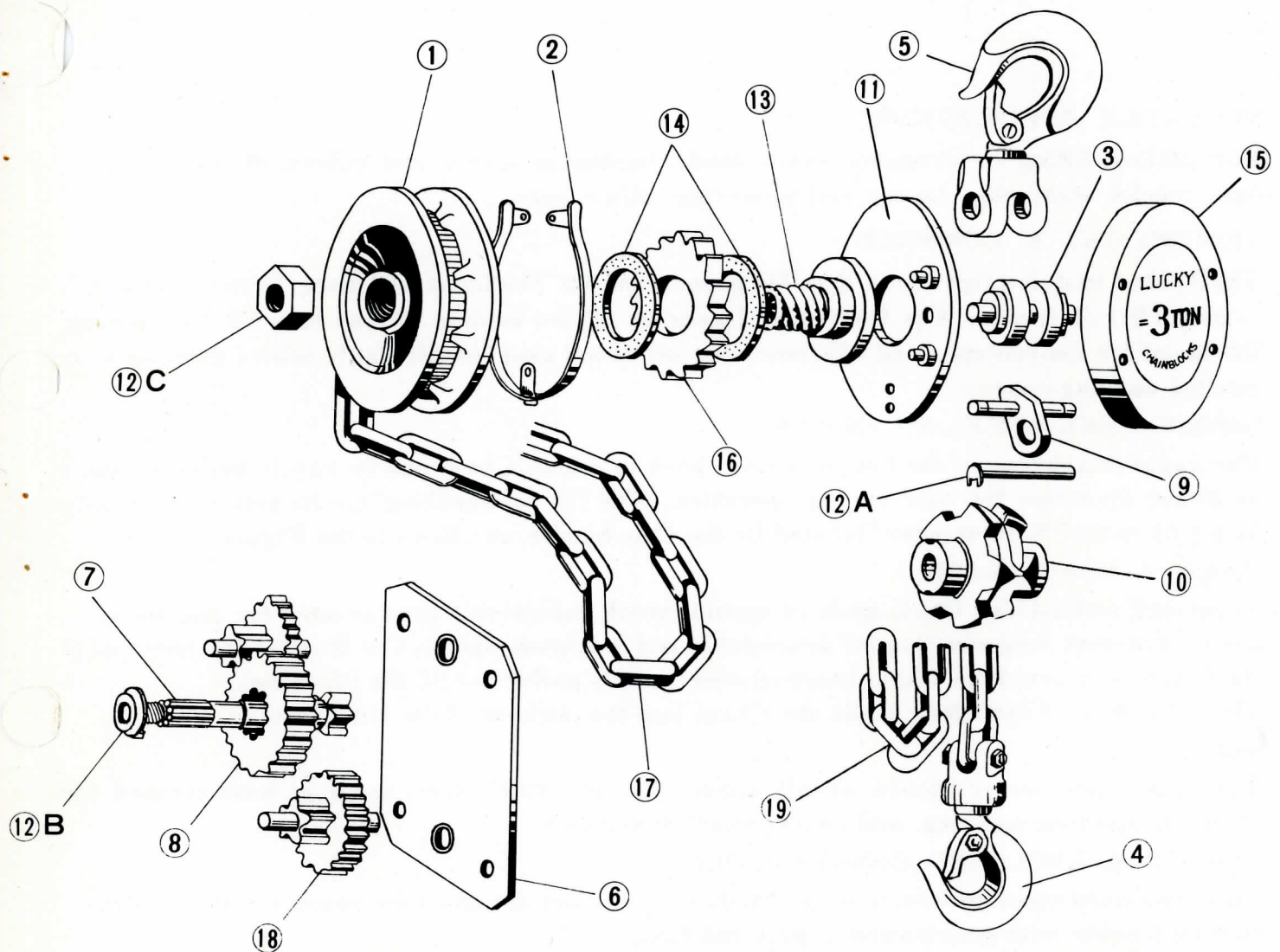
Precision work provided for chain and all the parts uniformity interchangeability. This permits very simple and easy parts replacement.

*The models and specifications are subject to change for improvements without notice.*



RED)

# CHAIN BLOCK



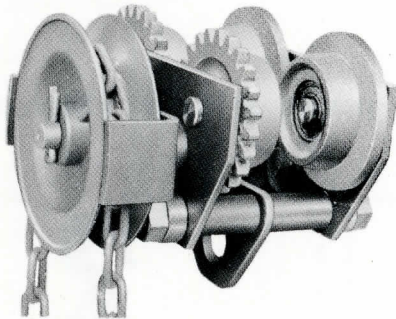
## (PARTS LIST)

1	Hand wheel	12	Ⓐ Chain guide
2	Hand guide		Ⓑ Check washer
3	Load chain guide		Ⓒ Nut
4	Bottom hook	13	Disc hub
5	Top hook	14	Lining gasket
6	Gear tightener	15	Gear cover
7	Pinion shaft	16	Ratchet disc
8	Load gear	17	Hand chain
9	Chain kicker	18	Second&third gears
10	Load sheave	19	Load chain
11	Gear side plate		

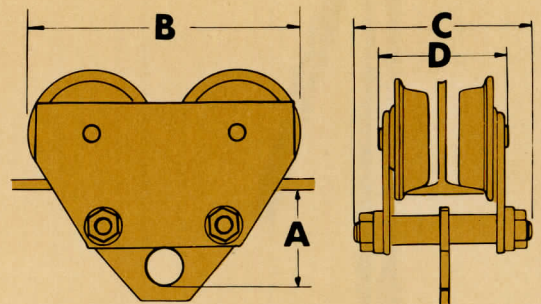
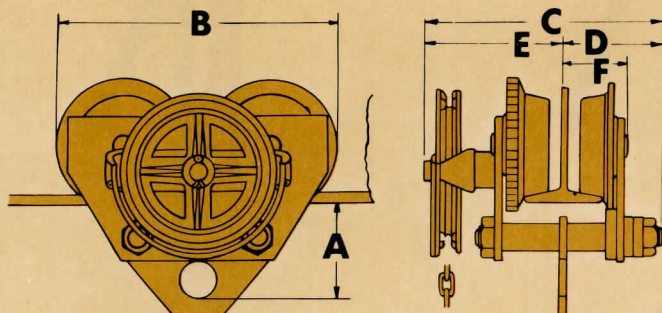
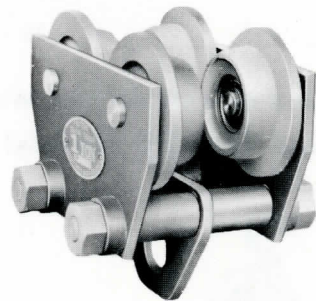
All the component parts are manufactured under severe quality control and are interchangeable for replacements.

# NITCHI TROLLEY

**GEARED TYPE TROLLEY**



**PLAIN TYPE TROLLEY**



**GEARED TROLLEY (ADJUSTABLE)**

MODEL	Capacity (ton)	Lift (feet)	Test Load (ton)	Standard I-Beam (inches)	A (inches)	B (inches)	C (inches)	D (inches)	E (inches)	F (inches)
GT5	0.5	8.3	0.75	* 5 × 3 × 1/32	3 1/4	7 1/16	7 13/16	3 5/16	3 7/8	2 1/2
				7 × 4 × 1/4	3 3/16				4 3/8	3
GT10	1	8.3	1.5	* 6 × 3 × 1/32	3 3/8	8 11/16	9 1/16	3 3/16	5 1/2	2 5/8
				7 × 4 × 1/4	3 5/16				5 5/16	3 1/16
GT15	1.5	8.3	2.25	* 7 × 4 × 1/4	3 3/8	8 11/16	10 3/8	4 3/16	6 1/16	3 1/8
				10 × 5 × 5/16	3 9/16				6 5/16	3 5/8
GT20	2	10	3.0	* 8 × 4 × 9/32	4 7/16	12	10 5/16	4 3/8	6 7/16	3 3/4
				10 × 5 × 5/16	4 5/16				6 5/16	3 3/4
GT30	3	10	4.5	* 10 × 5 × 7/16	4 7/8	12 1/8	11 13/16	5 1/16	6 3/4	4 3/4
				12 × 6 × 5/32	4 3/4				7 3/16	3 3/16
GT50	5	10	7.5	12 × 6 × 5/32	5 1/16	16 9/16	16 3/16	5 5/16	10 3/8	5 5/16

\* indicates dimensions of standard I-Beam

**PLAIN TROLLEY (ADJUSTABLE)**

MODEL	Capacity (ton)	Test Load (ton)	Standard I-Beam (inches)	A (inches)	B (inches)	C (inches)	D (inches)
ST5	0.5	0.75	* 5 × 3 × 1/32	3 1/4	7 11/16	7 7/8	5
			7 × 4 × 1/4	3 3/16			6
ST10	1	1.5	* 6 × 3 × 1/32	3 3/8	8 11/16	7 1/8	5 3/16
			7 × 4 × 1/4	3 5/16			6 1/8
ST15	1.5	2.25	* 7 × 4 × 1/4	3 3/8	8 11/16	8 3/8	6 1/4
			10 × 5 × 5/16	3 9/16			7
ST20	2	3.0	* 8 × 4 × 9/32	4 7/16	12 1/8	8 3/8	6 9/16
			10 × 5 × 5/16	4 5/16			7
ST30	3	4.5	* 10 × 5 × 7/16	4 7/8	12 1/8	10 1/8	7 1/2
			12 × 6 × 5/32	4 3/4			8 1/2
ST50	5	7.5	12 × 6 × 5/32	5 1/16	16 9/16	11 1/4	11 1/4

\* indicates dimensions of standard I-Beam

**LUCKY CHAIN BLOCK:** Manufactured by

**OSHIOYA INDUSTRIES, LTD.**  
Himeji, Japan

**NITCHI PULLER  
& TROLLEY:** Manufactured by


**NICH CO., LTD**  
Osaka, Japan



# NITCHI PULLER ( RATCHET LEVER HOIST )


IT LIFTS OR PULLS IN ANY DIRECTION!

Only 66 pounds pull on the lever produces 3,000 pounds power at hooks, 1 ½ton model- it weighs less than 29 pounds!




Technical drawing of the Model R - 3/4 ton Nitchi Puller, showing side and front views with dimensions labeled A through H. The side view shows a vertical chain and a horizontal lever. The front view shows the ratchet mechanism. A dimension of 18 1/2 inch is indicated for the chain length.

**Model R - 3/4**  
¾ ton



Technical drawing of the Model R-1 1/2 ton Nitchi Puller, showing side and front views with dimensions labeled A through H. The side view shows a vertical chain and a horizontal lever. The front view shows the ratchet mechanism. A dimension of 18 1/2 inch is indicated for the chain length.

**Model R-1 ½**  
1 ½ ton



Technical drawing of the Model R-3 ton Nitchi Puller, showing side and front views with dimensions labeled A through H. The side view shows a vertical chain and a horizontal lever. The front view shows the ratchet mechanism. A dimension of 18 1/2 inch is indicated for the chain length.

**Model R-3**  
3 ton

## STANDARD SPECIFICATIONS

	Rated Capacity (tons)	Standard Lift (feet)	Test Load (tons)	Pull on Lever to Lift Full Load (pound)	Minimum Distance Between Hooks A (inch)	Nos. of Chain (falls)	Net Weight (pound)	Dimensions, inch (approx.)						
								B	C	D	E	F	G	H
R	3/4	5	1.125	77.0	10 1/4	1	15.4	5 21/64	29/32	4 41/64	3	29/32	1 19/64	4 1/64
R	1 1/2	5	2.25	66.0	14 9/16	1	28.6	7 3/32	1 17/64	7 23/64	2 41/64	1 17/64	2 3/4	4 21/64
R	3	5	4.5	70.4	20 5/32	2	44.0	7 3/32	1 57/64	7 23/64	2 41/64	1 37/64	2 3/4	4 21/64

The materials, designs or specifications are subject to change without notice.

## -Link Chain Type) Model R-1

### VERSATILE APPLICATIONS:

For pulling, lifting or dragging heavy loads, tightening wires and cables, skidding loads onto trucks, stretching fences, and numerous other uses.

### LIGHTWEIGHT & COMPACT:

The 3/4 ton model weighs less than 16 pounds and its "Minimum Distance Between Hooks" is only 10-1/4 inches. The Operating Lever on all the models is less than 19 inches long. Designed for convenience and efficiency for all-round uses, particularly where there is very limited working space.

### UNIQUE FREE-WHEELING DEVICE:

For rapid attachment of the bottom swivel hook to a load, Chain can be easily pulled by hand in either direction for time-saving operation. The "Free-wheeling" can be attained in a jiffy by a pull on the "Safe trigger" located by the Cam-handle, as shown in the Figures below.

### CHAIN & CHAIN GUIDE:

Super-tuff welded link Chain made of special steel, exclusively heat treated for toughness and exceptional long wearing for dependable and maximum safety. The Ring at the free end of the Chain is to avoid the Chain being unintentionally pulled out of the lift wheel. The twist-proof Chain-guide leads the Chain into the pockets of the lift wheel.

### HOOKS:

The upper and lower Hooks of all capacities are steel drop forging, heat treated for strength and long wearing, and swivel to all directions.

### RUGGED & ENCLOSED CONSTRUCTION:

Fully enclosed steel coverings with sturdy sections are designed for rough handling, minimizing trouble with penetration of grit and dust.

Figure A

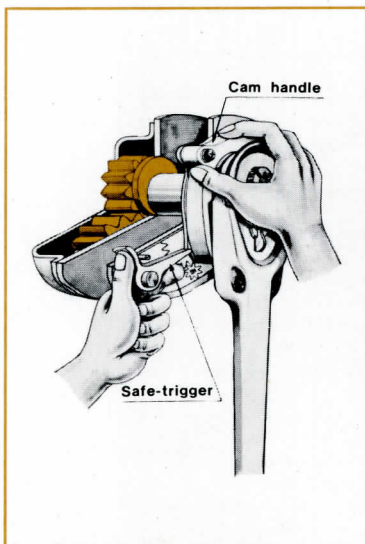


Figure B

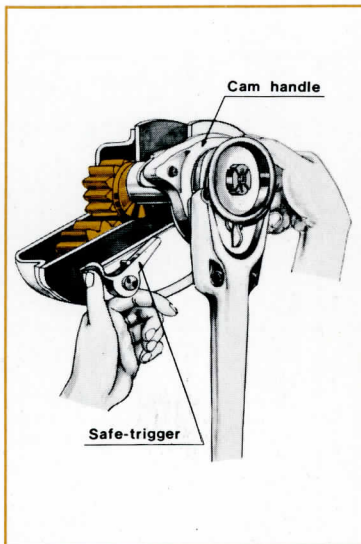
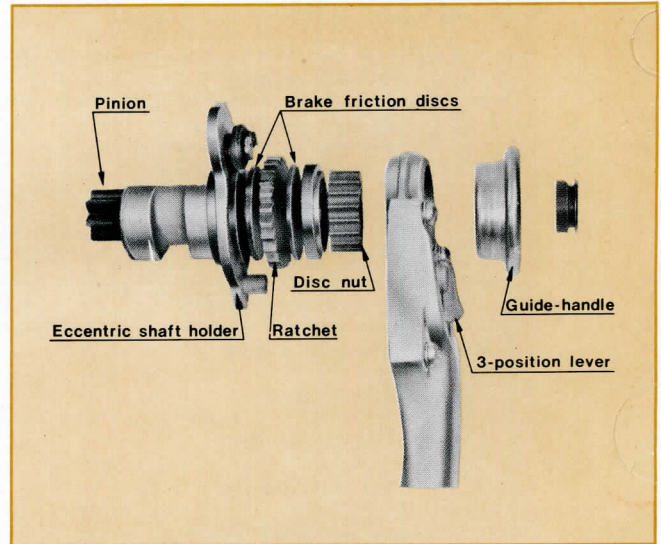


Figure C



The Figure A shows the gears and "Safe-trigger" being in active position; the Figure B indicates these are released for chain adjustment. The Figure C is the assemblies around the mechanical brake and operating lever.